

ANIMAL MITOSIS: MICROVIEWER

Introduction:

Create a set of diagrams showing the stages of mitosis in animal cells. Neatly sketch several cells as you see them in each slide. Label the cell parts you see, and give each sketch a title and magnification. On a separate sheet, answer the questions from this handout.

Slide 1: The Zygote

1. What is a zygote?

2. What cells combined to form the zygote?

Slide 2: Pro-Metaphase

1. What has happened in this slide?

2. Describe the number and appearance of the chromosomes. How is this different than slide 1?

Slide 3: Metaphase

1. What does the letter P represent? What function do these organelles serve in mitosis?

2. What will happen at the letters E?

SNC 2D
J. Kropac

Slide 4: Metaphase – Polar View

1. What is the difference between slide 4 and slide 3?
2. How many chromosomes are visible?

Slide 5 and 6: Early Anaphase

1. What is happening during this stage?
2. How many chromosomes are in the two groups?

Slide 7: Telophase

1. What is happening in this slide?

Slide 8: Late Telophase

1. What will happen to the chromosomes next?